

CLAIMS

What is claimed is:

1. A framework for isolating a business component from specific implementations
5 of a datastore, comprising:
- (a) a database wrapper in communication with a business component;
 - (b) a domain object factory in communication with the database wrapper;
 - (c) a domain object in communication with the domain object factory; and
 - (d) a datastore in communication with the domain object.
- 10 2. The framework of claim 1 wherein the database wrapper further comprises a
database wrapper interface in communication with the business component and a
database wrapper implementation implementing the domain object factory.
- 15 3. The framework of claim 2 wherein the domain object factory further comprises a
domain object interface in communication with the database wrapper and a domain object
factory implementation implementing the domain object.
- 20 4. The framework of claim 3 wherein the domain object further comprises a domain
object interface in communication with the domain object factory and a domain object
implementation retrieving data from a datastore.

5. The framework of claim 4 wherein the domain object interface further comprises a transient data converter for converting the domain object from a persistent state to a transient state.

5 6. The framework of claim 5 wherein the datastore is a relational database.

7. The framework of claim 5 wherein the datastore is an object database.

8. The framework of claim 5 wherein the datastore is accessed remotely.

10

9. A method for isolating a business component from specific implementations of a datastore, comprising:

15

- (a) interfacing a database wrapper to a business component;
- (b) implementing the database wrapper;
- (c) interfacing a domain object factory to the database wrapper;
- (d) implementing the domain object factory;
- (e) interfacing a domain object to the domain object factory; and
- (f) implementing the domain object to retrieve data from a datastore.

20

10. The method of claim 9 further comprising converting data retrieved from the datastore from a persistent state to a transient state.

11. The method of claim 10 wherein the datastore is a relational database.

12. The method of claim 10 wherein the datastore is an object database.

13. The method of claim 10 wherein the datastore is accessed remotely.

14. A method for isolating a business component from specific implementations of a datastore, comprising:

- (a) supplying a database wrapper;
- (b) using the database wrapper to begin a database session;
- (c) using the database wrapper to obtain a domain object factory;
- (d) using the domain object factory to create a domain object;
- (e) converting the domain object from a persistent state to a transient state;
- (f) ending the database session; and
- (g) returning the domain object to the business component.